# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 2 | "6107691".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 10:07 |
| S2 | 2 | "5642270".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 13:21 |
| S3 | 2 | "6107691".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 13:22 |
| S4 | 0 | S3 and (cell with ((chanrg$3 or discharg$3) near3 control$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 13:23 |
| S5 | 0 | S3 and (cell with ((charg$3 or discharg$3) near3 control$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:17 |
| S6 | 0 | S3 and ((charg$3 or discharg$3) near3 (sens$3 or detect$6 or monitor$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 13:24 |
| S7 | 0 | S3 and ((charg$3 or discharg$3) near3 interrup$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 13:25 |
| S8 | 0 | S3 and ((charg$3 or discharg$3) near3 stop$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 13:25 |
| S9 | 0 | S3 and ((charg$3 or discharg$3) near3 disconnect$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 13:25 |
| S10 | 0 | S3 and (cell with ((charg$3 or discharg$3) near3 (interrupt$6 or stop$4 or discon$9))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:18 |
| S11 | 1755 | (cell with ((charg$3 or discharg$3) near3 (interrupt$6 or stop$4 or discon$9))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:19 |

| S12 | 306 | S11 and vehicle | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:20 |
|---|---|---|---|---|---|---|
| S13 | 8004 | ((cell or battery) with ((charg$3 or discharg$3) near3 (interrupt$6 or stop$4 or discon$9))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:19 |
| S14 | 5064 | 11and (power near3 (supply$3 or source)) and vehicle and inverter and (((current or power) near3 (flow or supply$3)) with control$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:23 |
| S15 | 1021 | S14 and (charg$6 with (detect$6 or sens$3 or monitor$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:24 |
| S16 | 246 | S15 and (charg$6 near3 (predeterm$3 or threshold or resid$6 or remain$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:26 |
| S17 | 49 | S16 and ((charg$3 or discharg$3) with inverter with (ac or dc)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:28 |
| S18 | 9 | S17 and (((charg$3 or discharg$3) near6 (time or period or clock$3)) with (user or operator or driver)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 14:29 |
| S19 | 5 | ("3867681" \| "3870855" \| "3898547" \| "3904947" \| "4097792").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/14 14:53 |
| S20 | 5 | ("4218644").URPN. | USPAT | OR | ON | 2006/09/14 19:11 |
| S21 | 0 | "320"/$.ccls. and (((multiple or plurality) near3 (battery or cell)) with (partial near3 discharg$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/14 19:15 |
| S22 | 81 | vehicle and ((battery or cell) with (partial near3 discharg$8)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:42 |
| S23 | 0 | S22 and ((partial near3 discharg$8) with (trigger$3 or demand$3 or request$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:39 |
| S24 | 7 | S22 and (discharg$8 with (trigger$3 or demand$3 or request$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:42 |

| S25 | 0 | S24 and (connet$6 near3 plug) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:41 |
|---|---|---|---|---|---|---|
| S26 | 0 | S24 and (connect$6 near3 plug) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:41 |
| S27 | 4 | S22 and (connect$6 near3 plug) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:42 |
| S28 | 19259 | vehicle and ((battery or cell) with discharg$8) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:59 |
| S29 | 646 | S28 and (connect$6 near3 plug) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:42 |
| S30 | 73 | S29 and (discharg$8 with (trigger$3 or demand$3 or request$3 or command$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:52 |
| S31 | 7 | "6107691".pn. or "3904947".pn. or "5642270".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:54 |
| S32 | 0 | S31 and ((battery or cell or stor$5) with discharg$3 with (trigger$3 or command$6 or request$6 or demand$5)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:56 |
| S33 | 6 | vehicle and (motor near3 supply$3) and ((battery or cell or accumulator) with (input or plug) with discharg$8) and (($5controller or $5processor) with ((power or voltage or current) near3 flow$3) with (battery or cell or accumulator)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 13:05 |
| S34 | 5 | ("3686549" \| "3719881" \| "3732751" \| "3792327" \| "4042056").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/25 13:19 |
| S35 | 56 | ("4313080").URPN. | USPAT | OR | ON | 2007/04/25 13:23 |
| S36 | 2 | S35 and ((external or outside) near3 (power near3 source)) with ((battery or cell or accumulator) near3 charg$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:21 |

# EAST Search History

| S37 | 2 | S36 and (battery with charg$3 with control$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:16 |
|-----|-----|-----|-----|-----|-----|-----|
| S38 | 0 | S37 and ((charg$3 or discharg$3) near3 (stop$5 or interrupt$6 or disconnect$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:17 |
| S39 | 0 | S37 and (((charg$3 or discharg$3 or return$3) near3 (energy or power or flow or current)) with source with (stop$5 or interrupt$6 or disconnect$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:20 |
| S40 | 15 | S29 and (((charg$3 or discharg$3 or return$3) near3 (energy or power or flow or current)) with source with (stop$5 or interrupt$6 or disconnect$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 15:02 |
| S41 | 0 | S40 and ((external or outside) near3 (power near3 source)) with ((battery or cell or accumulator) near3 discharg$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:22 |
| S42 | 5 | vehicle and (((battery or cell or accumulator) near3 discharg$6) with ((external or outside) near3 (power or input or source supply$3 or energy or electricity)) with ($5controller or $5processor)) and ((external or outside) with (input or plug or receptical or outlet)) and ((((state adj3 charge) or soc) near6 signal) with ($5controller or $5processor)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:51 |
| S43 | 5 | S42 and (((battery or cell or accumulator) near3 discharg$6) with (request or signal)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:54 |
| S44 | 0 | S42 and ((return near3 (energy or power or electricity or current)) with ((external or outside) near3 source)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:56 |
| S45 | 0 | S42 and (((charg$3 adj2 back) near3 (energy or power or electricity or current)) with ((external or outside) near3 source)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:57 |
| S46 | 0 | S29 and (((discharg$3 or return$3) near3 (energy or power or flow or current)) with ((external or outside) near3 source) with (stop$5 or interrupt$6 or disconnect$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:37 |

| S47 | 2 | "5397991".pn. and ((alternator with charg$3) or (bsoc$2 with discharg$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:45 |
|-----|------|---|---|---|---|---|
| S48 | 2546 | vehicle and (battery or (energy adj storage adj device) or accumulator) with (discharg$3 or (current near3 flow$3)) with (source or alternator or (power adj network)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:51 |
| S49 | 2 | "6107691".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:51 |
| S50 | 23 | ("6107691").URPN. | USPAT | OR | ON | 2007/04/25 16:52 |
| S51 | 11 | ("3664134" \| "4489242" \| "4962462" \| "5434015" \| "5532573" \| "5631532" \| "5642270" \| "5760488" \| "5767584" \| "5803215" \| "5929595").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/25 17:17 |
| S52 | 5 | ("6107691" or "3904947").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/25 17:18 |